MEMORANDUM FOR:	Distribution Email
FROM:	Chris Caruso Magee Configuration Manager, NCEP Central Operations
SUBJECT:	Scheduled Operational Changes and Upgrades for CPC, EMC, OPC, and WPC - corrected
Climate Prediction Center	
The following accelerated item	ms were implemented this past week:
None	
The following approved chan 2019:	ges will be implemented the week of October 21,
None	
The following RFCs are in pro	ogress:
None	
The following NCO RFCs wh implemented the week of Oc	ich may affect CPC are scheduled to be tober 21:
relay servers from use. This DNS server location) but imp No impacts are expected since	ange to mrelay.ncep.noaa.gov to remove RHEL5 mail change is being done in College Park only (the main acts servers in all locations using the old mail relay. ce the DNS will point to existing servers. Tests will there's no impact. To be implemented on October
The following NCO RFCs wh	ich may affect CPC are in progress:

RFC 6023 - Implement/release NAWIPS v7.8.0. This release includes changes as detailed in the following SCNs:

https://www.weather.gov/media/notification/scn19-55byz_zonesaaa.pdf, https://www.weather.gov/media/notification/scn19-56zones_pdtaaa.pdf, https://www.weather.gov/media/notification/scn19-57zones_abq_nmaaa.pdf, and https://www.weather.gov/media/notification/scn19-58zones_ne_wy_w_sdaaa.pdf. It also includes updated PSA (Predictive Service Area) maps/bounds/tables files. Released to the remote Centers on October 3. Implementation was completed for OPC, the SDM, NESDIS, the WPC workstations, and NCO/Dataflow. To be implemented on the WPC Compute Farm and CPC on October 23 (WPC CF is 1400Z - 1600Z; CPC is 2000Z).

RFC 6074 – On WCOSS: A) prepare the Phase-3 Infiniband core switches and Ethernet enterprise router for the installation of new Phase-3.5 compute, service, and storage resources; and B) install the latest RHEL 7.5 updates on the Phase-3 WCOSS Dell systems. Implementation began in Orlando on September 25 and was completed on September 27. Was to be implemented in Reston on October 14 and 15; postponed due to a hardware issue; new dates are October 21 and 22.

RFC 6146 - Reinstall CSPP-Geo v1.0.14 and v1.0.21 patch on all GWSAS GRB servers. The v1.0.20-beta patch previously installed on all CSPP-Geo servers has a flaw that causes corrupt files when accessed through ISatSS. To be implemented as follows:

- Day 1 (October 15): (completed)
 - IRC GRB Spare at 1300Z
 - Alaska GRB Spare at 1400Z
 - Boulder East and West at 1500Z
 - SPC West (.32) at 1600Z
 - NHC Spare at 1700Z
 - Alaska GRB at 1800Z
- Day 2 (October 16): (completed)
 - SPC Spare (.42) at 1300Z
 - NCWCP East and West at 1400Z
 - NHC West at 1500Z
- Day 3 (October 17): (completed)
 - SPC East (.22) at 1300Z
 - AWC Spare at 1500Z
 - IRC GRB at 1600Z
- Day 4 (October 21):
 - NHC East at 1400Z

Environmental Modeling Center

The following accelerated items were implemented this past week:
None
The following approved changes will be implemented the week of October 21, 2019:
None
The following RFCs are in progress:
None

The following NCO RFCs which may affect EMC are scheduled to be implemented the week of October 21:

RFC 6159 - Send FNMOC Ensemble Wave data to NOMADS. This change was requested by the NAEFS data exchange group in order to provide the FNMOC Wave data to Canada (CMC). To be implemented on October 21 and 22 at 1700Z each day.

RFC 6160 – ens_tracker v1.1.16, genesis_tracker v3.4.11 – On WCOSS, update the ens_tracker and genesis_tracker models to handle a change to the CMC grib2 format. This format change is currently causing the trackers to fail to create the correct tracks from CMC's data. To be implemented on October 21 at 1400Z.

RFC 6162 - Make a DNS change to mrelay.ncep.noaa.gov to remove RHEL5 mail relay servers from use. This change is being done in College Park only (the main DNS server location) but impacts servers in all locations using the old mail relay. No impacts are expected since the DNS will point to existing servers. Tests will be done with users to ensure there's no impact. To be implemented on October 21 at 1400Z.

RFC 6165 - Add a script to the crontab on the production WCOSS to pull BOM (Bureau of Meteorology) ACCESS-G (Australian Community Climate and Earth-System Simulator - Global) data. NBM requires this data to be placed into /dcom/prod for the upcoming upgrade to NBMv3.2. To be implemented on October 21 and 22 at 1430Z each day.

The following NCO RFCs which may affect EMC are in progress:

RFC 6023 - Implement/release NAWIPS v7.8.0. This release includes changes as detailed in the following SCNs:

https://www.weather.gov/media/notification/scn19-55byz_zonesaaa.pdf, https://www.weather.gov/media/notification/scn19-56zones_pdtaaa.pdf, https://www.weather.gov/media/notification/scn19-57zones_abq_nmaaa.pdf, and https://www.weather.gov/media/notification/scn19-58zones_ne_wy_w_sdaaa.pdf. It also includes updated PSA (Predictive Service Area) maps/bounds/tables files. Released to the remote Centers on October 3. Implementation was completed for OPC, the SDM, NESDIS, the WPC workstations, and NCO/Dataflow. To be implemented on the WPC Compute Farm and CPC on October 23 (WPC CF is 1400Z - 1600Z; CPC is 2000Z).

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 - SPC Spare (.42) at 1300Z
 - NCWCP East and West at 1400Z
 - NHC West at 1500Z
- Day 3 (October 17): (completed)
 - SPC East (.22) at 1300Z
 - AWC Spare at 1500Z
 - IRC GRB at 1600Z
- Day 4 (October 21):
 - NHC East at 1400Z

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Ocean Prediction Center

The following accelerated items were implemented this past week:
None
The following approved changes will be implemented the week of October 21, 2019:
RFC 1245 – 'VvDailyCOOPSPlots.csh' v2019.10.21 - Change the timing of the cron for script 'VvDailyCOOPSPlots.csh' and add an image completion check and rerun in case of failure. The cron currently runs once daily at 0600Z; it will be changed to run at 0645Z. This change is being made because the script, which makes daily maps for the Chesapeake Vibrio vulnificus model, has been failing intermittently and 0645Z is a less busy time than 0600Z. To be implemented on October 21 at 1300Z.
The following RFCs are in progress:
None
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 - AWC Spare at 1500Z

Day 4 (October 21):NHC East at 1400Z
Weather Prediction Center
The following accelerated items were implemented this past week:
None
The following approved changes will be implemented the week of October 21, 2019:
RFC 1246 – Implement changes to the ensemble membership used by WPC's Super Ensemble that drives the Probabilistic Winter Precipitation Forecast Products. WPC will remove the SREF ARW members from the ensemble sinc verification has shown these to be the worst performers. Additional ECMWF Ensemble and GEFS members will be included. Implementation is to begin or October 21 at 1400Z and should be completed on October 24.
The following RFCs are in progress:
None

IRC GRB at 16007

The following NCO RFCs which may affect WPC are scheduled to be implemented the week of October 21:

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 - IRC GRB at 1600Z
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 - NHC East at 1400Z

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.